Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/07/2020 10:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126240	0	2.59	126279	2.59
Blue	F	SSC	125000	125698	0	1.55	126497	1.49
Blue	E	FITC	16433	16270	-1	2.57	354	18.99
Blue	D	PE	27595	27491	-1	1.78	599	14.46
Blue	B	PerCP-Cy5-5	43183	43176	-1	3.55	1163	19.77
Blue	A	PE-Cy7	31943	32706	2	5.92	623	39.68
Red	C	APC	42819	42986	0	2.35	1522	11.76
Red	A	APC-Cy7	31261	30738	-2	2.27	816	11.50
Violet	B	V450	6527	6347	-3	4.07	355	13.22
Violet	A	V500	24533	23732	-4	3.81	552	10.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18065	14.45	614	14	N/A	N/A	Pass
Blue	F	SSC	57304	1.03	556	8	N/A	N/A	Pass
Blue	E	FITC	64	60.65	542	3	0.0223	100	Pass
Blue	D	PE	125	46.55	539	5	0.1534	201	Pass
Blue	B	PerCP-Cy5-5	212	49.08	652	10	0.0096	68	Pass
Blue	A	PE-Cy7	115	99.47	700	11	0.0116	19	Pass
Red	C	APC	362	24.95	579	-4	0.0265	203	Pass
Red	A	APC-Cy7	180	27.92	558	-5	0.0061	1097	Pass
Violet	B	V450	54	59.30	449	-6	0.0478	1851	Pass
Violet	A	V500	82	33.94	460	-7	0.0234	807	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/07/2020 10:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.89	-32.52	0.99
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.46
Red	16.08	13.60 - 20.40	N/A	N/A	30.25	30.57	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10976

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments